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ATIORNEY DOCKET NU. 200CT015E

SERDAL NO. 10/782,363

APPLICANT

CAROLE LEPTLETEUR et al

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EXAMINER INITIALS

FILING DATE FEBRUARY 19, 2004

PATENT/DOCUMENT NO. DATE NAME/COUNTRY U.S. DOCUMENTS 2 2,520,338 August 29, 1950 Robertson 3,135,716 June 2, 1964 Uraneck et al. 3,179,623 April 20, 1965 Bowen 3,242,129 March 22, 1966 Wilder 3,285,945 November 15, 1966 Wember 2 3,285,949 November 15, 1966 Siebert ZT . 3,367,992 February 6, 1968 Bearden 3,564,074 February 16, 1971 S.C. Avallone 21 Zt 3,770,698 November 6, 1973 Riew . 2 3,892,819 July 1, 1975 Najvar 21 3,928,491 December 23, 1975 Waters 34 4,530,962 July 23, 1985 Alexander 21 4,769,419 September 6, 1988 Dawdy 24 5,055,515 October 8, 1991 Backderf 21 5,140,068 August 18, 1992 Siebert et al. Z 5,157,077 October 20, 1992 Siebert et al. 25 5,198,510 March 30, 1993 Siebert et al. . 21 5,258,445 November 2, 1993 Sperk Jr., et al. ZT 5,280,068 January 18, 1994 Siebert et al. 翌 5,312,956 May 17, 1994 Bertsch 24 5,385,963 January 31, 1995 McBain et al. 25 6,153,705 November 28, 2000 Corpart et al. 27 6,380,335 April 30, 2002 Charmot et al. 21 6,395,850 May 28, 2002 Charmot et al. 25 6,596,899 July 22, 2003 Lai U.S. Appln 10,219,403 August 15, 2002 Lai et al. RE 31, 310 July 12, 1983 Najvar

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EXAMENER INSTEALS

FILING DATE FEBRUARY 19, 2004

	. FOREIGN DOCUMENTS										
27	98/01478	January 15, 1998	. WIPO								
ZT	99/05099	February 4, 1999	WIPO								
: 27	99/31144	June 24, 1999	WIPO								
24	99/35177 -	July 15, 1999	WIPO								
	ARTICLES/OTHER DOCUMENTS										
21	World Polymer Congress, 37th International Symposium on Macromolecules, July 12-17, 1998, Gold Coast, Australia										
ZT .	"Living Free-Radical Polymerization by Reversible Addition-Fragmentation Chain Transfer: The RAFT Process", John Chiefari, et al., CSIRO <i>Molecular Science, Bag 10</i> , Clayton South. Clayton, Victoria 3169, Australia, Received March 27, 1998, Revised Manuscript Received June 10, 1998										
27	"The Synthesis of Organic Trethiocarbonates ¹ ", H.C. Godt, Jr., and R.E. Wann, <i>Journal of Organic Chemistry</i> , 26, 4047 (1961)										
ZT	"Phase-Transfer Synthesis of Symmetrical and Unsymmetrical Dialkyl Trithiocarbonates", lacopo Degani, et al, Synthesis, p. 894 (1986)										
27	"A New Form of Controlled Growth Free Radical Polymerization", Julia Kristina, et al., CSIRO, Division of Chemicals and Polymers, <i>Macromol, Symp</i> . III, 13-23 (1996)										
ZT	"One Pot Phase Transfer Synthesis of Trithiocarbonates from Carbon Disulphide and Alkyl Halides", Albert W.M. Lee, et al, <i>Synthetic Comm.</i> 18 (13), 1531 (1988)										
27	"A Novel One-step Synthesis of Symmetrical Dialkyl Trithiocarbonates", Man-kit Leung, et al, Journal of Chemical Research (S), 1995, 478-479										
35	"Direct Synthesis of Double Hydrophilic Statistical di- and Triblock Copolymers Comprised of Acrylamide and Acrylic Acid Units via the MADIX Process", Daniel Taton, et al, Macromol, Rapid Commun, 22, No. 18 (2001)										
25		"Dithiocarbamates as universal reversible addition-fragmentation chain transfer agents", M. Destarac, et al, Macromol. Rapid Commun., 21, No. 15, (2000)									
Z+	"Living Radical Polymerization with Reversible Addition – Fragmentation Chain Transfer (RAFT Polymerization) Using Ditriocarbamates as Chain Transfer Agents", Roshan T.A. Mayadunne, et al., CSIRO <i>Molecular Science</i> , <i>Bag 10</i> , Clayton, South, Victoria 3169, Australia, Received May 3, 1999; Revised Manuscript Received August 9, 1999										

Only copies of the foreign publications and articles are included for the express purpose of providing the Patent and Trademark Office with an ample

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LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

Atty. Docket No .: Serial No.: 10/782,363 200CT015E (BFG-PF-CIP-4) Applicant: Carole A. Lepilleur et al.

Group:

Filing Date: February 19, 2004

1624 **U.S. PATENT DOCUMENTS** Examiner Date Class Document Name Subclass Filing date Initial Number if appropriate AA AB AC AD ΑE ΑF AĞ ΑH ΑI ΑJ FOREIGN PATENT DOCUMENTS Document · Date Country Class Subclass Translation Number Yes AL AM AN AO AP OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) K. Ishizu, R. Khan, Y. Ohta, M. Furo, Journal of Polymer Science: Part A: Polymer Chemistry, Vol. 42, Controlled Radical Polymerization of 2-Hydroxyethyl Methacrylate Initiated by 21 Photofunctional 2-(N,N-Diethyldithiocarbamyl)isobutyric Acid, pp76-82, Wiley Periodicals, Inc. 2003 AS K. Ishizu, R. Khan, T. Furukawa, M. Furo, Journal of Applied Polymer Science, Vol. 91, Controlled Radical Polymerization of N-Isopropylacrylamide Initiated by Photofunctional 2-(N,N-Z+ Diethyldithiocarbamyl)isobutyric Acid Sodium Salt in Aqueous Medium, pp. 3233-3238, Wiley Periodicals, Inc. 2004 AT **EXAMINER** DATE CONSIDERED 15 FEBRUARY 2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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